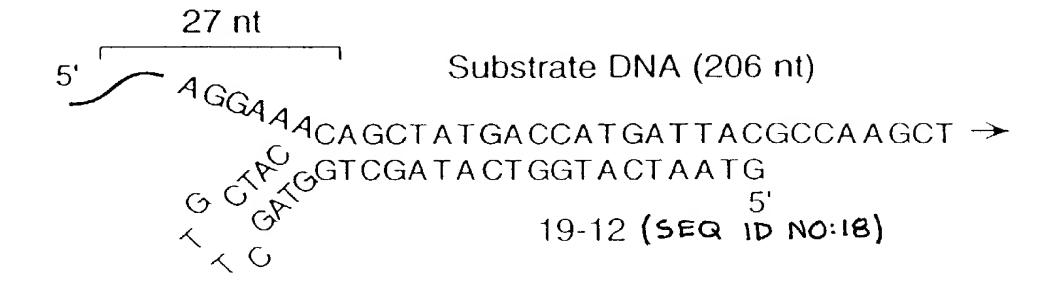
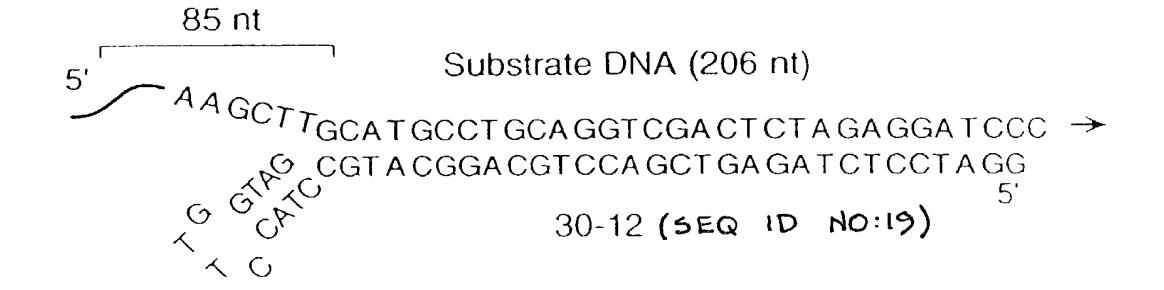


FIG. 12A



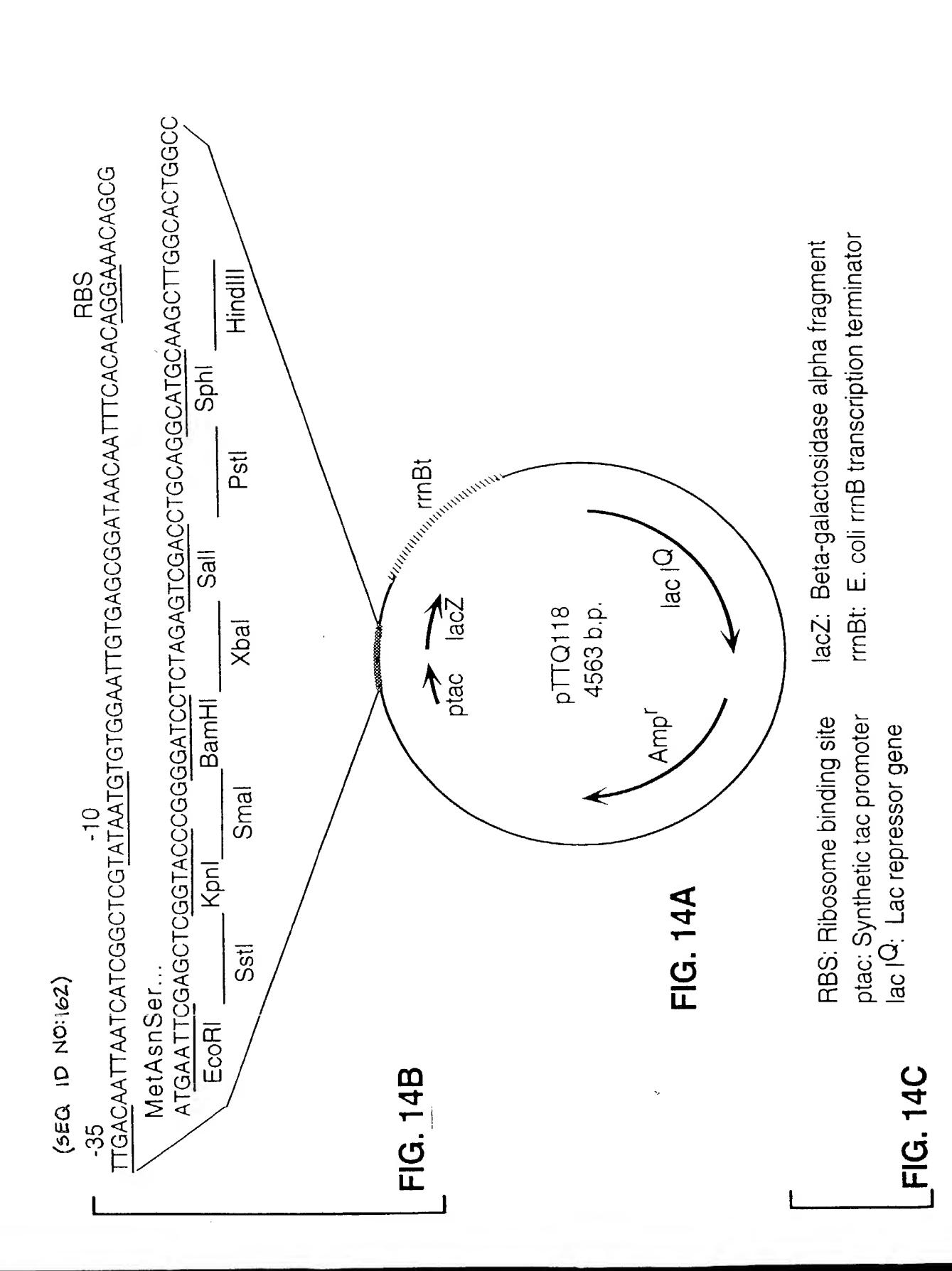


Substrate RNA (46 nt) (SEQ ID NO:161)

5' AAGCUUGCAUGCCUGCAGGUCGACUCUAGAGGAUCCCC 3'
3' CGTACGGACGTCCAGCTGAGATCTCCTAGG 5'

30-0 (SEQ ID NO:20)

FIG. 13A



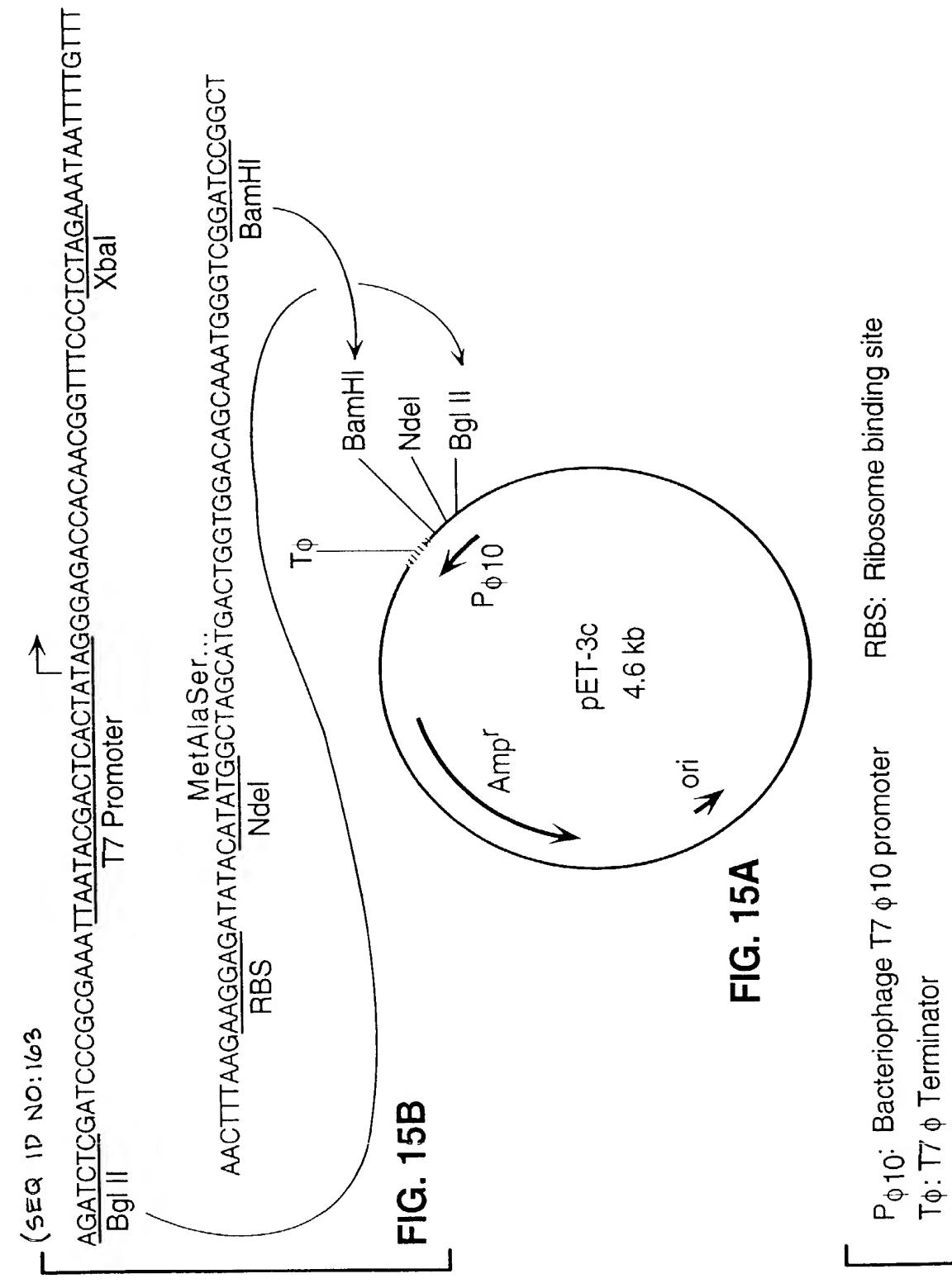
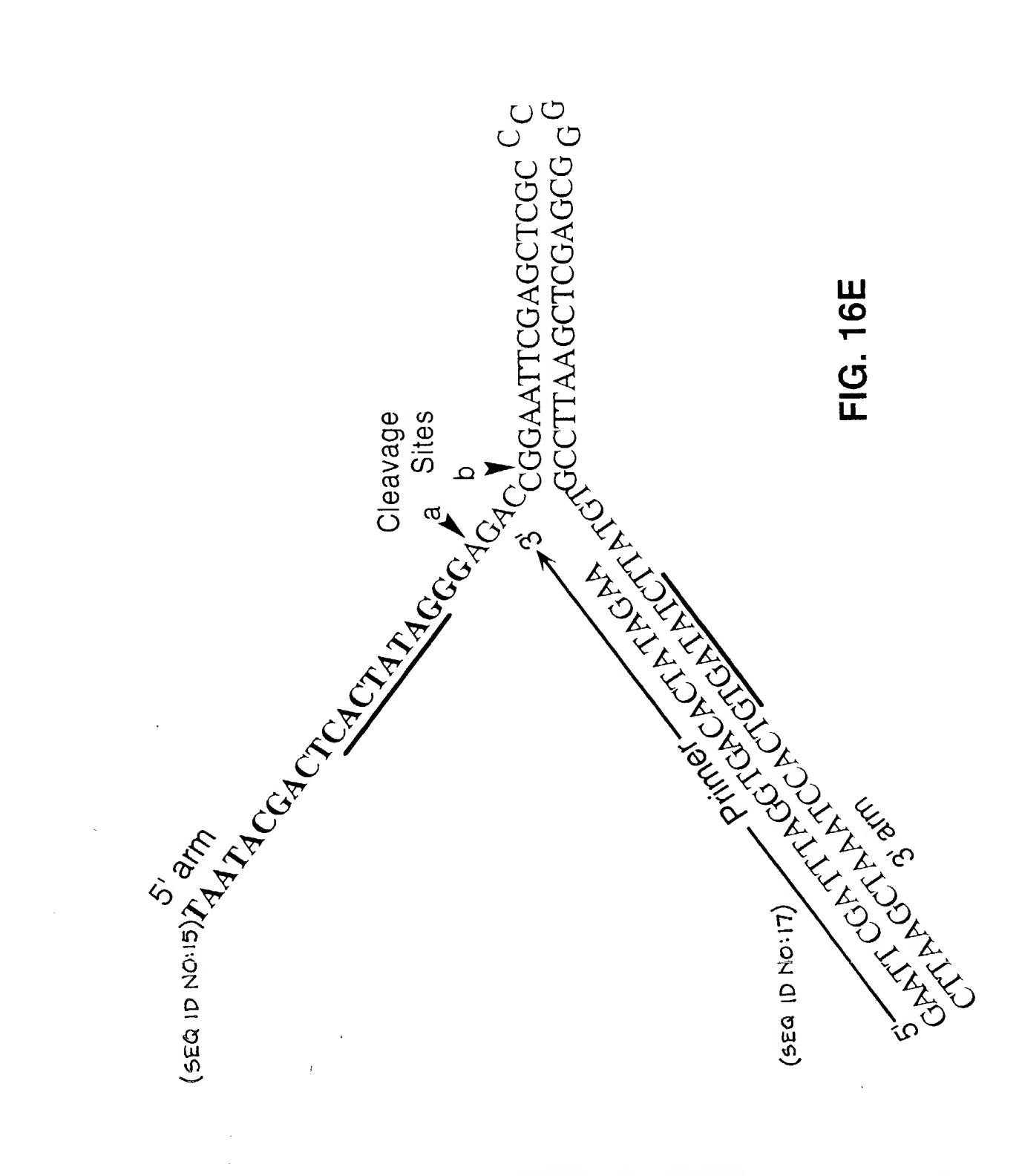


FIG. 15C



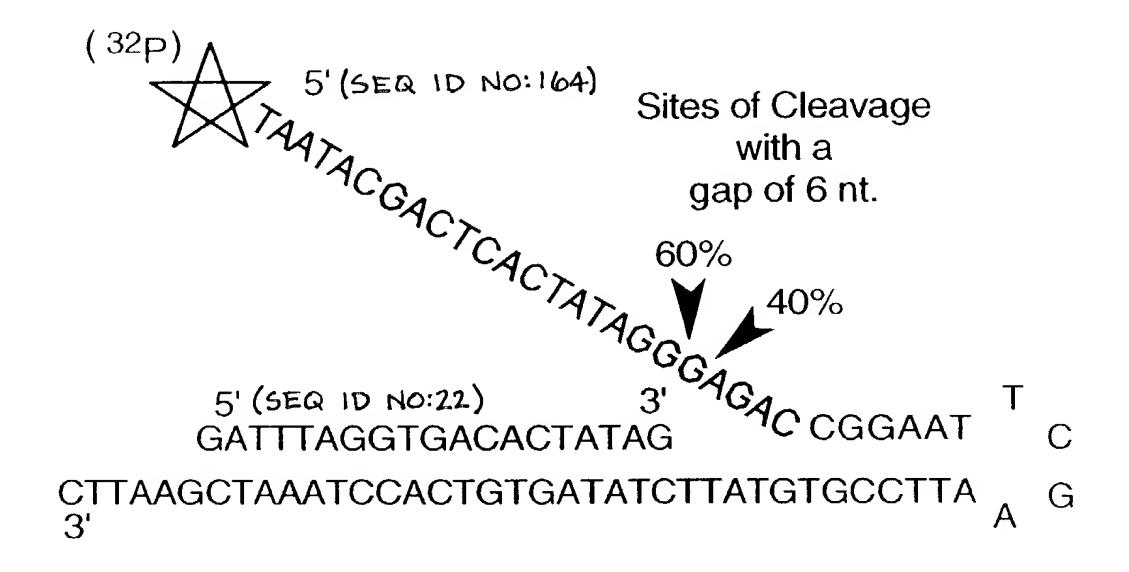


FIG. 19A

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	FIG 20D A-Hairpin
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s' ettrorecteratoreteretetetetetarácearárecarárearacereterecectereceétreteere 3	GTGTCGTCTCTTGCCTCTTGTACCATGTGGTACCTGTGTGGCTGTCTCGCTTGTTGGTTCGTC CACAGCAGAGAGAAGAAGATGGTACACCATGGACACAGGGGACAGAGGAGGAACAAGCAGGGC
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s' ettrotectatatoatotototototototototototototototo	S' GTTTCTGCTGTCGTCTCTTTGCCTCTTGTGCATGTGGTACCTGTCGCTGTCTCGCTTGTTCGTC 3' CAAAGACGACAGAGAGAAGAAGAAGAAGAAGAAGAAGAAG
S' etticiectetecencicate en	S' GTTTCTGCTGTGTCGTCTTCTTGCCTCTTGTACCATGTGGTACCTGTCTCGCTGTCTCGCTTGTTCGTC 3' CAAAGACGACAGGAGAAGAAGAACATGGTACACATGGACACAGCGACAGGCGAACAAGCAGGC A-Hairpin A-Hairpin
S' GTTTCTGCTGTCGTCTCTCTTGTCGTCGTGTGTGGGTACCTGTGTCGCTGTCGCTTGTTCGTC 3	Caaagacgacagagagagagagagagagagagagagagag
S' GTTTCTGCTGTCGTCTCTTCTTGCCTCTTGTACCATGTGGTACCTGTGTCGCTGTCTCGCTTGTTCGTC 3	S' GTTTCTGCTGTCTCTCTTGCCTCTTGTACCATGTGGTACCTGTCGCTGTCTCGCTTGTTCGTC 3' CAAAGACGACAGAGAAGAAGAACATGGTACACCATGGACACAGCGACAGAGCAACAGCAGGAGAACATGGTACACCATGGACACAGCGACAGAGCAGAGCAGGGC A-HG, 200
	S' CAAAGACACAGCAGAGAACATGGTACCATGGACACAGCGACAGAGCGAACAGCAGGGAGCAGGGAACAGGAACATGGTACCATGGACACAGCGACAGCGAACAGCAGGGAGAACATGGTACCATGGACACAGCGACAGCGAACAGCAGGGAACAGGAACATGGTACCATGGACACAGCGACAGGGAACAGCAGGGAACAGCAGGAACAGGAACATGGTACACCATGGACACAGCGACAGGAACAAGCAGGAACAAGCAGAACAAGCAGAACAAGCAGAACAAGCAGAACAAGCAGAACAAGCAGAACAAGCAGAACAAGCAGAACAAGCAAAACAAAGCAGAAAAAA
BsmAl (SEQ 10 NO:24) T-Hairpin 5' STHCTGCTGTCTCTCTCTTGTACCATGTGGTACCTGTCTCGCTTGTTCGTC 3	
BsmAl (SEQ ID NO:24) T-Hairpin 5' STTTCTGTGTCGTCTTGTCGTTGTACCATGTGGTACCTGTCGTCGTCGTTGTTCGTC 3	SSMAI (SEQ 10 NO:24) S'GTTTCTGCTGTGTCGTCTCTTTGCCTCTTGTACCATGTGCTGTCTCGCTTGTTCGTC 3'CAAAGACGACAGAGAGAACATGGTACATGGTACATGGACAGGGAACAGGAACATGGTACATGGAACAGGAACAGGAACATGGTACATGGAACAGGAACAGGAACATGGTACATGGAACAGGAACAGGAACATGGTACACATGGAACAGGAACAGGAACAGGAACATGGTACACCATGGAACAGGAACAGGAACAGGAACATGGTACACCATGGAACAGGAACAGGAACAGGAACATGGTACACCATGGAACAGGAACAGGAACAAGCAAG
BsmAl Kpnl BsmAl (SEQ ID NO:24) T-Hairpin S' GTTTCTGTCGTCTCTTGTACCATGTGGTACCTGTCTCGCTTGTTCGTC 3	SSMAI BSMAI BSMAI (SEQ 1D NO:24) S' CATTCTGCTGTCTCTCTTGCCTCTTGTACCATGTGGTACCTGTCTCGCTTGTTCGTC 3' CAAGACGACAGAGAGAGAACATGGTACACCATGGACACAGCGACAGAGCGAACAGCAGC FIG. 20D A-Hairpin
BsmAl SmAl Activity of the street of the s	Rsal Kpnl BsmAl SEQ ID NO:24)
Rsal Kpnl BsmAl (5£Q 1D NO:24) T-Hairpin 5' GTTTCTGCTGTCTTGTCTTGTTGTTGTC 3	Rsal Kpnl BsmAl (SEQ ID NO:24) S' GTTTCTGCTGTGTCGTCTTGTCCTTGTACCATGTGGTACCTGTCTCGCTTGTTCGTC 3 3' CAAAGACGACAGGAGAACATGGTACCATGTGGACACAGCGGACAGCAGGAGCAGG 5 FIG. 20D A-Hairpin
BsmAl BsmAl Activity Kpnl BsmAl SEQ 10 NO:24) T-Hairpin S' GTTTCTGCTGTCTCTCTTGTCCTCTTGTACCATGTGGTACCTGTCTCGCTTGTTCGTC 3	Real Kpnl BsmAl
Rsal Kpnl BsmAl Asal Kpnl BsmAl (SEQ ID NO:24)	Rsal Kpnl BsmAl SEQ ID No:24) 5' GTTTCTGCTGTCGTCTCTTGTCCTTGTACCATGTGGTACCTGTGTCGCTGTTGTTCGTC 3 3' CAAAGACGACAGAGAAAGAAAGAAAGAAAGAAAGAAAGA
Rsal Kpnl BsmAl C£Q ID NO:24) S' GTTTCTGCTGTCGTCTTGTCGTCTTGTTGTTCGTC 3	MnII HSal/NialV Rsal Kpnl BsmAl (SEQ ID NO:24) T-Hairpin S' GTTTCTGCTGTGTCGCACAGAGCAGAGCAGGC 5 S' GTTTCTGCTGTGTGTCTTGTACCATGGTACCTGTGTCGCTGTTCGTC S
Mnll Rsal/NlalV Rsal Kpnl BsmAl SEQ ID No:24) T-Hairpin S' GTTTCTGCTGTCTCTTGTCTTGTACCATGTGGTACCTGTGTCGTTGTTCGTC 3	MnII Rsal/NialV Rsal KpnI BsmAl (SEQ ID NO:24) T-Hairpin 3 S-AAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGA
MnII Rsal/NialV Rsal KpnI BsmAI (SEQ ID No:24) T-Hairpin S' GTTTCTGCTGTCTCTCTTGTCGTCTTGTCGTC 3	MnII Rsal/NIalV Rsal
MnII Rsal/NialV Rsal Kpnl Kpnl	Mnll Rsal/NlalV Rsal Kpnl BsmAl S' GTTTCTGCTGTGTCGTCTTTGCCTCTTGTACCATGGGTACCTGTGTCGCTGTTCGTC 3' CAAAGACGACAGAGAAGAAGAAGAAGAAGAAGAAGAAGAA
MnII Rsal/NIalV Rsal KpnI BsmAI CEQ ID No:24) . T-Hairpin Stattestestestestestestestestestestestestes	MnII Rsal/NIalV Rsal KpnI BsmAI (SEQ ID NO:24) S'GTTTCTGCTGTGTCGTCTTGTGTGCGTGTGTCGCTTGTTCGTC 3 S'GAAGACGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG
Mnii Hgici Rsal/NialV Rsal Kpni RsmAl Kpni AEQ ID No:24) ` T-Hairpin S' ettictetetetetetetetetetetetetetetetetet	Mull Rsal/NialV Rsal Kpnl S' GTTTCTGCTGTCTCTCTTTGCCTCTTGTACCATGGACACAGCGACAGAGCGAACAGCAGGGAACAGGAGAACAGGAACATGGTACCATGGACACAGGACACAGGAACAAGCAGAACAAGCAGAACAAGCAGAACAAGCAGAACAAGAAG
Mnii HgiCi Rsal Rsal/NialV BsmAi . Anii Hsal/NialV Rsal Kpnii BsmAi . S' effictestestestestestestestestestestestestest	MnII Rsal/NIalV Rsal Kpnl BsmAl (SEQ ID NO:24) T-Hairpin Toaagacgagaacagagaacatgataccatagataccatagaacagagaacagagaacatagataccatagaacaacaacaagaacagaga sequence A-Hairpin
Malli HgiCl Rsal Kpnl BsmAl (SEQ ID NO:24) S' STITCTGCTGTGTCGTCTTGTCGTTGTTCGTC 3	Niaili HgiCl Rsal/NialV Rsal Kpnl S' GTTCTGCTGTGTCGTCTTGCCTCTTGTACCATGTGGTACCTGTCGCTGTTCGTTGTTCGTC 3' CAAAGACGACAGAGAACATGGTACCATGGACACAGCGACAGAGCAGAACAGCAGAACAGGAACATGGACACAGCGACAGCGAAACAGCAAACAGGAACATGGACACAGCGACAGCGAAACAGCAAAACAGCAAAACAGCAAAACAGCAAAAAA
Nialli HgiCl Mnii Rsal/NialV Rsal Kpnii RsmAi (SEQ ID No:24) S' GTTTCTGCTGTTGTCGTTGTTGTTGTTGTC 3	S' CTTTCTGCTGTCTTTGCTCTTGTACCATGGAACAGCAACAGCAACAGCAACAGCAACAGCAACAGGAACAAGCAACAGCAACAGCAACAA
Malii HgiCi Rsal Kpnl BsmAl Csea ID No:27) Malii HgiCi Rsal Kpnl Kpnl Csea ID No:24) S' GTTTCTGCTGTGTCGTCTTGTCGTCTTGTTGTCGTC 3	Sea 10 NO:27) Nialii HgiCl Rsal/NialV Rsal Kpnl BsmAl S' GTTTCTGCTGTGTCGTCTCTTTGCCTCTTGTACCATGGACACAGCGACACAGCAGCAGCAGCAGCAGCAGCAGCAG
(SEQ 1D NO: 28) Nialli HgiCl Mnii Rsal/NialV Rsal Rsal Rpni BsmAl (SEQ 1D NO: 27) Anii Rsal/NialV Chairpin S' GTTTCTGCTGTGTGTCGTCTTGTTGTTGTTGTTCGTC S' GTTTCTGCTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGT	S' GTTTCTGCTGTGTCGTCTCTTTGCCTCTTGTACCATGGACACAGGGGGAACAGGAGGAACAGGAACAGGAACAGGAACAGGAACAGGAACAGGAACAGGAACAGGAACAGGAACAGGAACAGGAACAAGCAAGAACAGGAACAAGCAAGAACAAGCAAGAACAAGCAACAA
(SEQ ID NO:28) Nialli HgiCl Rsal Rsal Rpul BsmAl Sea ID NO:27) Annii HgiCl Kpul BsmAl Ano:24) T-Hairpin Seathcreoterrerescretterecterrerescrette	Seq 10 No:28) Nialii HgiCl Rsal/NialV Rsal Kpnl Rsal/NialV S' GTTTCTGCTGTCGTCTTCTTGTCGTTGTCGTTGTCGTTGTT
FIG. 20C Cleaved A-Hairpin (SEQ ID NO:28) Nialli HgiCl Mnii Rsal/NialV Rsal Kpni S' GTTTCTGCTGTCGTCTCTTGTACCATGTGGTACCTGTCGCTTGTTCGTC S' GTTTCTGCTTGTACCATGTGGTACCTGTCGCTTGTTCGTC S' GTTTCTGCTTGTACCATGTGGTACCTGTCGCTTGTTCGTC S' GTTTCTGCTTGTACCATGTGGTACCTGTCGCTTGTTCGTC S' GTTTCTGCTTGTACCATGTGGTACCTGTCGCTTGTTCGTC S' GTTTCTGCTTGTACCATGTGGTACCTGTCGTCGTTGTTCGTC S' GTTTCTGCTTGTACCATGTGGTACCATGTGGTACTTCGTC S' GTTTCTGCTTGTACCATGTGGTACCTGTTGTACCATGTTGTACCATGTACTAGTACTAGTACTAGTACTAGTACTAGTACTAGTACTAGTAGTAGTACTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGT	FIG. 20C Cleaved A-Hairpin (SEQ 1D NO:28) Nialii HgiCl Mnii Rsal/NialV Rsal Rsal Rsal Rpni S' GTTTCTGCTGTGTCGTCTCTTTGCCTCTTGTACCTGTACCTGTCGCTGTTCGCTGTTCGTC 3' CAAGACGACAGAGAGAACATGGTACACCATGGACACAGCGACAGAGCAACAGCGA SAACAGGGAACATGGTACCATGGACACAGCGACAGAGCGAACAGCGAACAGCGAACAGCGAACAGCGACAGAGCGAACAGCAACAGCAACAGCAACAGCAACAGCAACAGCAACAGCAACAGCAACAGCAACAGCAACAGCAACAGCAACAGCAACAGCAACAGCAACAGCAACAGCAACAA
FIG. 20C Cleaved A-Hairpin (SEQ 1D NO:28) Nialli HgiCl Mnii Rsal/NialV Rsal Rsal Rpni BsmAl T-Hairpin S' ettrotigotototototototototototototototototot	FIG. 20C Cleaved A-Hairpin (SEQ ID NO:28) Nialii HgiCl Mnii Rsal/NialV Rsal Rsal Rpni S' GTTTCTGCTGTGTCGTCTCTTGCCTCTTGTACCATGTGGTACCTGTGTCGCTGTTCGTCG 3' CAAGACGACAGGAGAACATGGTACACATGGGACACAGGGAACAGGAGGAACAGGAGAACAGGAACAAGGAACAAGGAACAAGGAACAAGGAACAAGGAACAAGGAACAAGGAACAAGCAACAGGAACAAGCAACAGGAACAAGCAACAA
FIG. 20C Cleaved A-Hairpin (SEQ ID NO:28) Naili HgiCl Mnii Rsal/Nialv Rsal Rsal Rpni BsmAl T-Hairpin S' efficted tetrest test test test test test test t	FIG. 20C Cleaved A-Hairpin (SEQ 1D NO:28) Mull Rsal/NlalV Rsal Rsal Rpnl Rpnl S' GTTICTGCTGTGTCGTCTTTTCGTCTTTTCGTC 3' CAAGACGACAGAGAACGAGAACAGAACAGAACAGAACA
FIG. 20C Cleaved A-Hairpin (SEQ 1D NO:28) Nialli HgiCl Mnii Rsal/Nialv Rsal Kpni S' STITCTGCTGTGTCGTCTCTCTTGCCTCTTGTGCTGTCGCTGTTCTCTCTCTGTTGT	FIG. 20C Cleaved A-Hairpin (SEQ 1D NO:28) Nialii HgiCl Mnii Rsal/NialV BsmAl S' GTTTCTGCTGTGTCGTCTTTGCTTGTACCATGTGTCGTTGTCGCTTGT 3' CAAAGACGACAGGAGAACGGAAACATGGTACCATGGACACAGCGACAGGGAAACAGAACAACAAGCGAAACAGAAACAAGCGAAACAGAAACAAGAAACAAGAAAACAAGAAAAAA
FIG. 20C Cleaved A-Hairpin (SEQ 1D NO:28) Nialli HgiCl Mnii Rsal/NialV Secret Correct Cor	FIG. 20C Cleaved A-Hairpin (SEQ 1D NO:28) Nialii HgiCl Rsal Rsal Rsal Rpnl BsmAl S' GTTTCTGCTGTGTCGTCTCTTGTACCATGGACACAGGGACAACAACAACAACAACAACAAACA
FIG. 20C Cleaved A-Hairpin (SEQ 1D NO:28) Mull HgiCl Rsal/NialV S' GTTTCTGCTGTCGTCTCTTGCCTCTTGTACCATGTGGTTGGT	FIG. 20C Cleaved A-Hairpin (SEQ 1D NO:28) Mull HgiCl BsmAl S' effection condition of the sequence of the s
CAAAGACGAGAGAACGAGAA CAAAGACGAGAGAA CAAAGACGAGAAA CSEQ 1D NO:28) CSEQ 1D N	S' GTTTCTGCTGTGGTGGAACGAACGAAA S CTGCTTGTTCGCTCTGTC (SEQ 1D NO:28) Mull Rsal/NlalV Kpnl BsmAl Kpnl BsmAl
CAAAGACGACGAGAA CAAAGACGACGAGAA CAAAGACGAGAACGGAGAA CSEQ 1D NO:28) NIalli HgiCl Mnll Rsal/NialV Rsal Kpnl BsmAl S' GTTTCTGCTGTCGTCTCTTGCCTCTTGTACCATGTGGTCGCTGTTCGCTTGTTCGCTTGTTCGCTTGTTCGCTTGTTCGCTTGTTCGCTTGTTCGCTTGTTCGCTTGTTCGCTTGTTCGCTTGTTCGCTTGTTCGCTTGTTCGTTGTT	CAAAGACGACAGAGAGAAACGGAGAA FIG. 20C Cleaved A-Hairpin (SEQ ID NO:28) Mail HgiCl Mail HgiCl Rsal Si caaagacgacacagagaacafggfacaracagacagagaacaacaaacaaacaaacaaacaaac
CAAAGACGACAGAGAACGAAA CAAAGACGACAGAACGAAA CAAAGACGAGAACGAAA CSeaved A-Hairpin (SEQ ID NO:28) Nialli HgiCl Mnii Rsal/NialV Rsal S' GTTTCTGCTGTTCGCTCTTTCGCTCTTTTCGCTTGTTCGCTTGTTCGCTTGTTCGCTTGTTCGCTTGTTCGCTTGTTCGCTTGTTCGCTTGTTCTGTTGT	FIG. 20C Cleaved A-Hairpin (SEQ 1D NO:28) Mull HgiCl Rsal/NIalV S' GTTCTGCTGTTCGCTCTTGTCTTGTTCGCTCTGTCT Rsal FIG. 20C Cleav Clea
FIG. 20C Cleaved A-Hairpin (SEQ ID NO:28) Malli HgiCl Rsal Rpn BsmAl S' ettrotgotogotogototototototototototototot	FIG. 20C Cleaved A-Hairpin (SEQ ID NO:28) Malli HgiCl Rsal Rsal Rpni S' GTTTCTGCTGTCGCTGTGCTGTTGCTGTTGCTGTTGTTGCTTGTTG
FIG. 20C Cleaved A-Hairpin (SEQ ID NO:28) Mall HgiCl Rsal/Nialv Rsal Rsal Rpnl Rsal Rpnl Rsal Rpnl Rsal Rpnl Rsal Rpnl Rpnl	FIG. 20C Cleaved A-Hairpin (SEQ 1D NO:28) Mall HgiCl Rsal Rsal Rpnl S' GTTTCTGCTGTGTCGTTGTTCGCTGTGTC CAAGGGGAGAGGGAGAACGGAGAGGAGA
FIG. 20C Cleaved A-Hairpin FIG. 20C Cleaved A-Hairpin (SEQ 1D NO:28) Mull HgiCl Rsal Rsal Rsal Rpul BsmAl T-Hairpin 5' efficted to to correct of the representation of	FIG. 20C Cleaved A-Hairpin (SEQ 1D NO:28) Nialli HgiCl Rsal S' GTTTCTGCTGTGGCTGTTGC Nialli HgiCl RSal/NialV Rsal FIG. 20C Seq 1D NO:27) Nialli HgiCl Rpni BsmAl FIG. 20D A-Hairpin S' GTTTCTGCTGTGTCGTCTTTGCTGTTGTCGTTGTTCGTT A-Hairpin A-Hairpin
5' lau primer 3' CATGG TA 3 CTGCTTGTTGGCTCTGTGGCTGTGTC 3 CAAAGACGAAACGAAACGAAACGAAACGAAACGAAACG	5' Alpha primer 3' CATGG TA 3 CTGCTTGTTCGCTCTGTCGCTGTCC CAAAGAGGAGGAGGAACGGAGAA CAAAGACGACACGAGAACGGAGAA CAAAGACGACAACGGAGAAA CAAAGACGACAACGGAGAAACGGAGAAA CAAAGACGACAACGGAGAAACGGAAAAA S' GTTCTGCTGTCGCTCTTCTTGTACCATGGTACCTGTCGCTGTCCCTTGTTCGCT BSmAl RSal Kpnl BSmAl T-Hairpin S' GTTCTGCTGTCGCTCTTCTTGTACCATGGACACAGCGACAACAGCAGACAGA
5' Tau primer 3' CATGG T A 3 CTGCTTGTTGGCTGTGGTGTGTGGTGTGTGGTGTGGT	5' Tau primer 3' CATGG T A 3 CTGCTTGTTCGCTGTCGCTGTCC CAAAGACGAGAACGAACGAAA CAAAGACGACACGAGAACGAAA CAAAGACGACACGAGAACGAAA FIG. 20C Cleaved A-Hairpin (SEQ ID NO:23) Malii HgiCl Mnii HgiCl Rsal Kpni BsmAl Kpni BsmAl T-Hairpin S' GTTTCTGCTGTGCTCTTTGTACCATGTGACCTGTCGCTGTTCGCTTGTTCGTC 3 CAAAGACGACAGAGAACATGGTACATGTACCATGGACACAGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCA
5' Tau primer 3' CATGG T A 3 CTGCTTGTTCGCTCTGTCGCTGTCGTCGTCGTCGTCGTCG	5. Tau primer 3' CATGG TA 3 CTGCTTGTTCGCTCTGTCGCTGTCG CAAGACGAGCGAGCGAGCAGAA CAAGACGACCAGAGCGAGAA FIG. 20C Cleaved A-Hairpin (SEQ ID NO:21) Mull HgiCl Roal/NIalV Rsal/NIalV Rsal/NIalV Rsal/ Kpnl S' GTTTCTGCTGTCGTCTCTTGTCCTCTTGTACCATGGGACAGGAGCGACAGGCGAACAGGAGCAGACAGGCAACAGGAACATGGTACCATGGACACAGCGACAGCGAACAGGCAACAGCGAACAGCGAACAGGAACAGGAACAGGAACAGGAACAGGAACAGGAACAGGAACAGGAACAGGAACAGGAACAGGAACAGGAACAGCGAACAGCGAACAGCGAACAGCAACAGCAACAGCAACAGCAACAGCAACAGCAACAGCAACAGCAACAGCAACAA
5' Tau primer 3' CATGG T A 3 CATGG T CAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	5' Tau primer 3' CATGG T A 3 CTGCTTGTTCGCTGTTCGCTGTCGCTGTCGCTGTCGCTGTCGCTGTCGCTGTTCGTCG
5' Tau primer 3' CATGG TA 3 CTGCTTGTTCGCTCTGTCGCTGTGG CAAAGACGAGAGAACGAGAA CAAAGACGACAGAGAAAA CAAAGACGAGAGAAAA CATGG TA CA	5' Tau primer 3' CATGG T A 3 CTGCTTGTTGGCTGTGGCTGTGGTGGTGGTGGTGGTGGTG
5' Tau primer 3' CATGG T A 3 CTGCTTGTTCGCTCTGTCGCTGTGTC CAAAGACGAGAAACGGAGAA CAAAGACGACACAGAAACGGAGAA CATGG T A 3 CTGCTTGTTCGCTCTGTCGCTGTGTC Cleaved A-Hairpin (SEQ 1D NO:28) Mall HgiCl Raal/NialV Raal/NialV Raal/NialV Raal/NialV Raal/NialV Anii HgiCl Rpni Rpni Rpni S' GTTCTGCTGTGTCGTCTTTGCCTCTTGTACCATGTGGTTGTTCGTC 3	5' Tau primer 3' CATGG T A 3 CTGCTTGTTGGCTGTGGTG
5' Tau primer 3' CATGG T A 3 CTGCTTGTTCGCTGTGGCTGTGGCTGTGGG T CATGG T	5' Tau primer 3' CATGG TA 3 CTGCTTGTTGGCTGTGGCTGTGTG CAAGGAGAACGAGAA CAAGGACGAGAACGAGAA CATGG TA CAAGGACGAGAACGAGAA CATGG TA CATGG
5' Tau primer 3' CATGG TA 3 CTGCTTGTTCGCTGTCGCTGTGG CAAGGACGAGCAGAA CAAGGACGACGAGAA CATGG TA 3 CTGCTTGTTCGCTGTGGCTGTGG CATGG TA	STACC CATGG T A STACE CATGG T A STACE CATGG TO C
5' Tau primer 3' CATGG TA 3 CTGCTTGTTGGCTGTGGTGGGT CATGG TAGG TAGG	5. Tau primer 3' CATGG TA 3 CTGCTTGTTCGCTCTGTCGCTGTGTC CAAGGACACAGAGAGAGAGAA FIG. 20C Cleaved A.Hairpin (SEQ ID NO:28) Nialii HgiCl Mnii Rsal/NialV Rsal Rsal Rsal Ryni BsmAl FIG. 20C Caacagagagagagagagagagagagagagagagagagag
5. Tau primer 3' CATGG A 3 CTGCTTGTTCGCTCTGTCGCTGTCGT CAAGGACGAGAGGAACGAAA FIG. 20C Cleaved A-Hairpin (SEQ 1D NO:28) Mull HgiCl Rsal Kpnl BsmAl Kpnl BsmAl (SEQ 1D NO:24) 5' Alpha primer 3' CATGG ATGG ATGG ATGG ATGG ATGG ATGG ATG	5. Tau primer 3' CATGG TA 3 CTGCTTGTTGGCTGTTGGCTGTTGTCGCTGTTGTCGCTGTGTGCTG
5. ACACAG GTACC A CAAAGAGAACGAACCAAGAACGAACAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACGAAACAAAACAAAACAAAACAAAAACAAAAAA	5 COTOTT GIACC A C STACC A STACCAGGAGAGGAGAACGGAGAA STAGINII HQICI CAAAGACGACAGAGAACGGAGAACGGAGAACGGAGACATGGTACCATGGTCGCTGTTCGCTGTCGTTGTCGCTGTTCGTCG

(SEQ 1D NO:165) (SEQ 1D NO:165) CCCCACCCTATTCCCACTCACACATTTGTAATACCACTCACT	Sal I BspM I Acc I Sph I Hind III TAGAGTCGAGCCTGCAGCTTCTATAGTCTCACCTAATAGCTTGGCCATTAGTCATGGTCATAGCTGTTCCTGTGTAATTGTTA TAGAGTCGACCTCCAGCTTCAAGATATCACAGTGGATTTATCCAACCCCATTAGTACCAGTATCCACAGTAACATTAACAAATTAACAAATTAACAAATTAACAAATTAACAAATTAACAAATTAACAAATTAACAAATTAACAAATTAACAAATTAACAAATTAACAAATTAACAAATTAACAAATTAACAAATTAACAAATTAACAAATTAACAAATTAACAAATTAAATTAACAAATTAAAATTAAATTAAATTAAATTAAATTAAATTAAATTAACAAATTAAAA
(SEQ ID NO:165) CGCCAGGGTTTTCCCAGTCACGACG CGCGTCCCAAAAGGGTCAGTGCTGC -47 Forward	Sal BspM Sph Sph Hinc Hinc Hinc Sph Hinc Hinc Hinc Sph Hinc Hinc Sph Hinc Hinc Hinc Sph Hinc Hinc Hinc Hinc Hinc Hinc Hinc Sph Hinc Hinc Hinc Sph Hinc Hinc Sph ATCTCAGCTGGACGTCCGTACGTTC

TCCGCTCACAATTCCACACATACGA 228
AGGCGAGTGTTAAGGTGTGTTGTATGCT
--48 Reverse
--206

